



CITY COUNCIL

AGENDA REQUEST

AGENDA OF:	01-20-15	AGENDA REQUEST NO:	V-A
INITIATED BY:	TIMOTHY JAHN, P.E. ASSISTANT CITY ENGINEER	RESPONSIBLE DEPARTMENT:	ENGINEERING
PRESENTED BY:	TIMOTHY JAHN, P.E. TWJ ASSISTANT CITY ENGINEER	DIRECTOR:	CHRISTOPHER STEUBING, P.E., CFM, CITY ENGINEER CLS
		ADDITIONAL DIRECTOR (S):	ROBERT VALENZUELA, P.E. RV DIRECTOR OF PUBLIC WORKS
SUBJECT / PROCEEDING:	NORTH WWTP ODOR CONTROL SYSTEM - CIP WW1302 AUTHORIZE CONSTRUCTION CONTRACT WITH JTR CONSTRUCTORS, INC.		
EXHIBITS:	NORTH WWTP LOCATION MAP SIGNED CONSTRUCTION CONTRACT W/JTR CONSTRUCTORS, INC. RECOMMENDATION LETTER W/ BID TAB SUMMARY		
CLEARANCES		APPROVAL	
LEGAL:	N/A	ASSISTANT CITY MANAGER:	JIM CALLAWAY JC
PURCHASING:	TODD REED, CPPO, CPPB PURCHASING MANAGER (P)	ASSISTANT CITY MANAGER:	MIKE GOODRUM MW6
BUDGET:	BRYAN GUINN, BGH BUDGET OFFICER	CITY MANAGER:	ALLEN BOGARD SOMB /FOR AB
BUDGET			
EXPENDITURE REQUIRED: \$		459,350	
CURRENT BUDGET: \$		610,098	
ADDITIONAL FUNDING: \$		N/A	
RECOMMENDED ACTION			
Authorize the execution of a construction contract with JTR Constructors, Inc. for the North WWTP Odor Control System, CIP WW1302, in an amount of \$459,350.			

EXECUTIVE SUMMARY

The North Wastewater Treatment Plant (WWTP) is located adjacent to dense residential neighborhoods. With prevailing winds from the south, on occasion the City receives odor complaints from the surrounding neighbors. The existing odor control system was installed about 15 years ago by Brazos River Authority (BRA) staff and the system has reached the end of its useful life.

In September 2013, a Preliminary Engineering Report (PER) was completed and recommended removal of the existing system with replacement by a biological odor control system to remove odorous compounds being emitted from the onsite influent wet well and the headworks screen channel. In October 2014 construction plans and specifications were completed and the project was ready for bid advertisement.

On November 19, 2014 the City published an invitation to bid (ITB) for construction services for CIP Project WW1302 North WWTP Odor Control System. The bids were opened on December 18, 2014. There were five bids submitted for the project, and the bids ranged from \$459,350 to \$671,618 which includes the base bid, supplemental items, allowances and add alternates 1, 2, and 3. JTR Constructors, Inc. was the responsible low bidder with a total bid of \$459,350. The engineer's probable construction cost estimate is \$490,000 which includes the based bid, supplemental items, allowance, and the three add alternates. The engineer has evaluated the bids and made a recommendation to award the contract to JTR Constructors, Inc.

North WWTP Odor Control System mainly includes installation of a fully functional, packaged biological odor control system to remove odorous compounds. The odor control system components include a fiber glassed reinforced vessel, fans, motors, inorganic media, and various electrical/mechanical components that are very effective in removing the odorous compounds. The breakdown of the major bid items are as follows:

Base Bid plus Supplement Bid Items / Allowance Items

- 2,000 cubic feet per minute (CFM) ZABOCS (ZB-7012) bio-scrubber odor control system
- Mobilization / site fill / site grading
- Various duct work / PVC pipe installation / headworks fiberglass covers
- New concrete slab
- Asphalt driveway extension
- Electrical improvements / instrumentation control infrastructure
- SCADA programming / misc. allowance

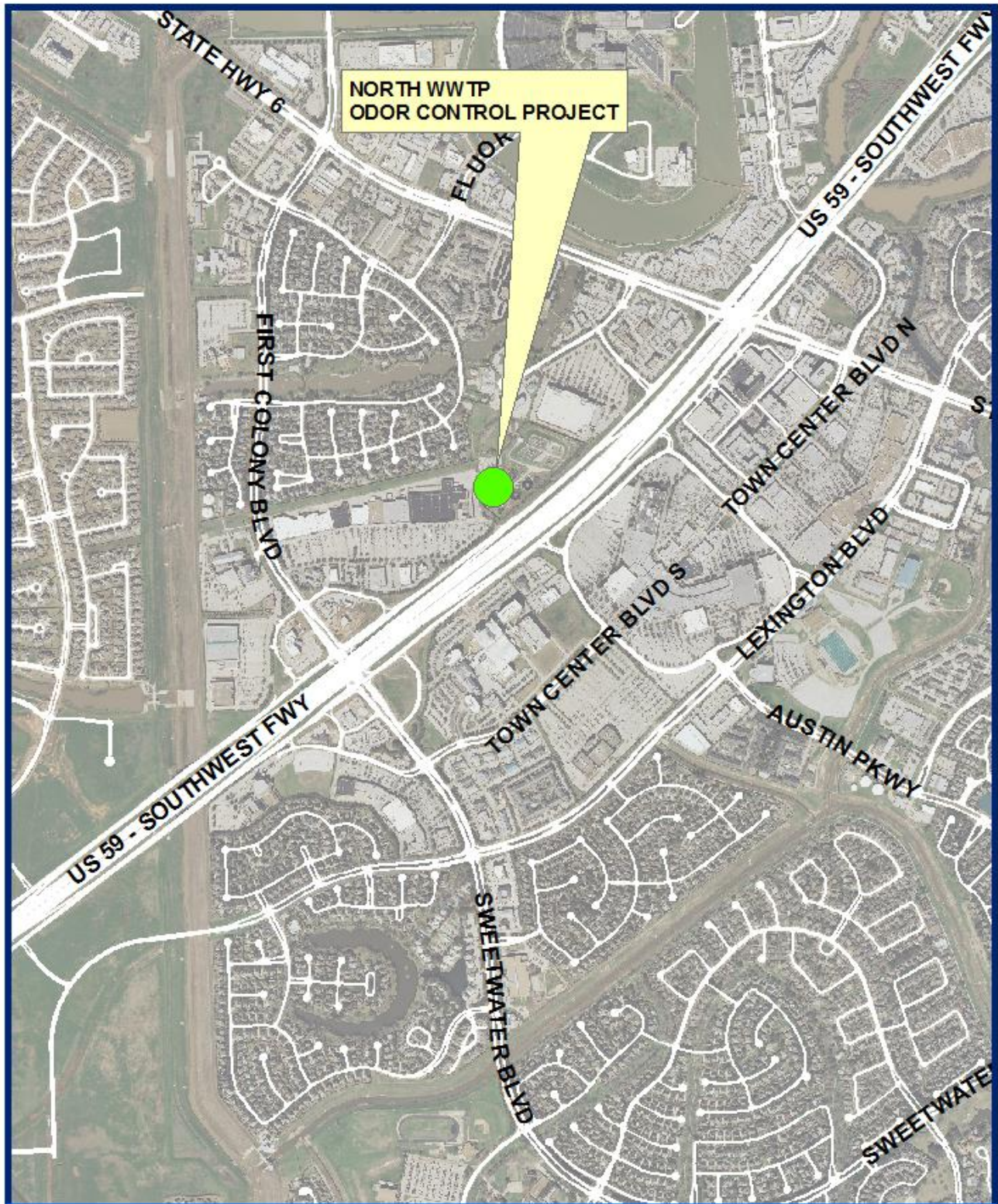
Alternates

- Alt. 1 – two-year manufacturer's warranty
- Alt. 2 – new above-ground electrical conduit / wiring
- Alt. 3 – portable OdaLog odor detection monitor

Funding for this project is available from CIP WW1302 with an available balance of \$610,098. The Notice to Proceed for the project is anticipated to be issued in late February 2015 with construction duration of 120 calendar days to substantial completion.

The Engineering and Public Works Departments recommend that the City Council authorize the execution of a construction contract with JTR Constructors, Inc. for the North WWTP Odor Control System, CIP WW1302, in an amount of \$459,350.

EXHIBITS



CAPITAL IMPROVEMENT PROGRAM
NORTH WWTP ODOR CONTROL SYSTEM
CIP NO. WW1302



CITY OF SUGAR LAND
STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS
(Not For Building Construction Projects)
(Rev. 1-3-12)

This City of Sugar Land Standard Contract for Civil Engineering Construction Projects (Contract) is made between the City of Sugar Land, Texas (City), and the Contractor. The City and the Contractor agree to the terms and conditions of this Contract, which consists of the following:

- I. Summary of Contract Terms
- II. Standard Contractual Provisions
- III. Contract Documents
- IV. Signatures

I. Summary of Contract Terms.

Project: North Wastewater Treatment Plant Odor Control System

Contractor: JTR Constructors, Inc.

Name of Engineering Firm, if any: Carollo Engineers, Inc.

Name of Owner's Project Manager: Timothy Jahn, P.E.

Total Bid (Total Base Bid + Total Extra Unit Price + Total Cash Allowance): \$442,350.00

Alternate Bid Item Nos.: 1, 2 & 3

Total Alternate Bid Items Amount: \$17,000.00

Contract Price (Total Bid + Alternates): \$459,350.00, as may be adjusted by Change Orders

Effective Date of Contract: On the latest date of the dates executed by both parties

Date to Begin Work: Date specified in Notice to Proceed

Substantial Completion: Contractor must achieve Substantial Completion within 120 Calendar Days from date specified in Notice to Proceed, as the time may be adjusted by Change Order

Final Completion: Contractor must complete the Punch List within 30 Calendar Days from Substantial Completion

Liquidated Damage Amount for Failure to Meet Time for Substantial Completion: \$250 per Calendar Day

Liquidated Damage Amount for Failure to Complete Punch List Items by Time for Final Completion: \$50 per Calendar Day

CONTRACTOR AGREES TO DEFEND SUCH ACTION FREE OF COST, CHARGE OR EXPENSE TO THE CITY OR THE RAILROAD.

III. Contract Documents. The Contractor must comply with the following additional Contract Documents, which are part of this Contract and are incorporated by reference:

1. General Conditions
2. Special Conditions, if any
3. Engineer's Specifications, including any special shoring requirements
4. Engineer's Plans
5. Contractor's Bid for the Project
6. Performance Bond
7. Payment Bond
8. Labor Classification and Minimum Wage Rates
9. State of Texas Workers' Compensation Insurance Coverage Addendum
10. Minimum Insurance Policy Limits for Large Construction Projects
11. Notice to Proceed
12. Contractor's Affidavit of Bills Paid
13. Notice to Bidders
14. Instructions to Bidders
15. Change Orders
16. Addenda
17. Conflict of Interest Questionnaire
18. Geo-Tech Report (if Contract involves trench excavation exceeding depth of five feet)

If there is a conflict between or among the terms of the Contract the City will determine which provision applies.

IV. Signatures. By signing below, the parties agree to the terms of this Contract:

CITY OF SUGAR LAND

By: _____

Name: _____

Title: _____

Date: _____

CONTRACTOR: JTR CONSTRUCTORS, INC

By: 

Name: TONY F. GONZALEZ

Title: PRESIDENT

Date: 1/2/15



December 29, 2014

City of Sugar Land
2700 Town Center Blvd. North
Sugar Land, TX 77479

Attention: Mr. Tim Jahn

Subject: North Wastewater Treatment Plant Odor Control System Project (WW1302)
Construction Contract Award Recommendation and Bid Tabulation

Dear Tim,

Carollo Engineers, Inc. (Carollo) has evaluated the five (5) responsive bids received by the City of Sugar Land (City) on December 18, 2014 for the proposed North Wastewater Treatment Plant Odor Control System project. The total amount bid (Total Base Bid + Total Extra Unit Price + Total Cash Allowance) by each prospective Bidder for the project was as follows:

Company Name:	Base Bid Total:
Associated Construction Partners, Ltd.	\$ 489,900.00
Peltier Brothers Construction, Ltd.	\$ 644,123.00
Matula & Matula Construction, Inc.	\$ 487,895.00
JTR Constructors, Inc.	\$ 442,350.00
WW Payton Corporation	\$ 591,000.00

In addition, all prospective Bidders submitted pricing for each of the three (3) project Bid Alternates. The amounts submitted by each prospective Bidder for the sum of all Bid Alternates were as follows:

Company Name:	Bid Alternate Total:
Associated Construction Partners, Ltd.	\$ 18,000.00
Peltier Brothers Construction, Ltd.	\$ 27,495.00
Matula & Matula Construction, Inc.	\$ 30,750.00
JTR Constructors, Inc.	\$ 17,000.00
WW Payton Corporation	\$ 18,000.00

Based on the aforementioned information, Carollo has assessed that JTR Constructors, Inc. submitted the lowest overall bid, totaling \$459,350.00, including all Base Bid, Extra Unit Price, Cash Allowance, and Bid Alternate items, for the proposed project.

Based on reference inquiries made by both Carollo and City personnel subsequent to the bid opening, Carollo, in conjunction with the City, has concluded that JTR Constructors, Inc. has sufficient experience executing projects of similar size and scope to that of the proposed effort.

Additionally, Carollo has evaluated the bid quantities and values submitted by JTR Constructors, Inc. for all Base Bid, Extra Unit Price, Cash Allowance, and Bid Alternate items, and considers them to be competitive and advantageous to the City; therefore, Carollo recommends that, should available funding allow, the City award the project construction contract to JTR Constructors, Inc. for the amount of \$459,350.00, at the upcoming City Council meeting scheduled for January 20, 2015.

If you have any questions or require any additional information, please do not hesitate to contact me directly at 713-299-7148.

Sincerely,

A handwritten signature in black ink that reads "Sarah M. Berkey". The signature is written in a cursive, flowing style.

Sarah M. Berkey, P.E.
Project Manager

Attachment(s): Bid Tabulation